**DECLARATION AND POWER OF ATTORNEY FOR PATENT APPLICATION**

As a below named inventor, I hereby declare that:

My residence, post office address and citizenship are as stated below next to my name.

I believe I am the original, first and sole inventor (if only one name is listed below) or an original, first and joint inventor (if plural names are listed below) of the subject matter which is claimed and for which a patent is sought on the invention entitled

**"SYSTEM AND METHOD FOR RECOGNIZING WORD PATTERNS IN A VERY LARGE VOCABULARY BASED ON A VIRTUAL KEYBOARD LAYOUT"**

the specification of which is attached hereto unless the following box is checked:

was filed on: 02/27/2004

as United States Application Number or PCT International Application Number: 10/788,639

and was amended on \_\_\_\_\_ (if applicable).

I hereby state that I have reviewed and understand the contents of the above identified specification, including the claims, as amended by any amendment referred to above.

I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR §1.56.

I hereby claim foreign priority benefits under 35 USC §119(a-d) or §365(b) of any foreign application(s) for patent or inventor's certificate, or §365(a) of any PCT International application which designated at least one country other than the United States, listed below and have also identified below, by checking the box, any foreign application for patent or inventor's certificate, or PCT International application having a filing date before that of the application on which priority is claimed.

Prior Foreign Application(s):

Priority Not Claimed

X

\_\_\_\_\_  
(Number)

\_\_\_\_\_  
(Country)

\_\_\_\_\_  
(Day/Month/Year Filed)

I hereby claim the benefit under 35 USC §119(e) of any United States provisional application(s) listed below:

Provisional Application(s):

\_\_\_\_\_  
(Application Number)

\_\_\_\_\_  
(Filing Date)

I hereby claim the benefit under 35 USC §120 of any United States application(s), or §365(c) of any PCT International application designating the United States, listed below and, insofar as the subject matter of each of the claims of this application is not disclosed in the prior United States or PCT International application in the manner provided by the first paragraph of 35 USC §112, I acknowledge the duty to disclose information which is material to patentability as defined in 37 CFR §1.56 which became available between the filing date of the prior application and the national or PCT International filing date of this application.

\_\_\_\_\_  
(Application Number)

\_\_\_\_\_  
(Filing Date)

\_\_\_\_\_  
(Status - patented, pending, abandoned)

Power of Attorney:

I hereby appoint the following attorney(s) and/or agent(s) to prosecute this application and to transact all business in the Patent and Trademark Office connected therewith:

T. Rao Coca	(#29,784)
Daniel E. Johnson	(#37,033)
Marc D. McSwain	(#44,929)
Leonard T. Guzman	(#46,308)
Mark McCabe	(#53,291)
Samuel A. Kassatly	(#32,247)

**DECLARATION AND POWER OF ATTORNEY FOR PATENT APPLICATION**

Address all telephone calls to:

Samuel A. Kassatly

(408) 323-5111

Address all correspondence to:

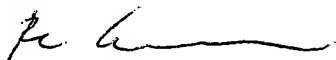
Samuel A. Kassatly  
20690 View Oaks Way  
San Jose, California 95120

I hereby declare that all statements made herein of my own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of the application or any patent issued thereon.

Full name of sole or first inventor:

KRISTENSSON, Per-Ola

Inventor's signature:



Date:

6/16/09

Residence:

Sydsvangen 4  
58247 Linköping, Sweden


Citizenship: Sweden

Mailing Address: Same

Full name of second inventor:

WANG, Jingtao

Inventor's signature:



Date:

6/14/2009

Residence:

1052 Santa Fe Ave, Albany CA 94706

Citizenship: People's Republic of China

Mailing Address: Same

Full name of third inventor:

ZHAI, Shumin

Inventor's signature:



Date:

6/16/2009

Residence:

995 Foxchase Drive #504, San Jose, CA 95123

Citizenship: Canada

Mailing Address: Same

[illegible]

- hereby undertake that the invention/new utility model/new design entitled:

was truly invented by me/us. The undersigned understands that willful false statements are punishable by laws.

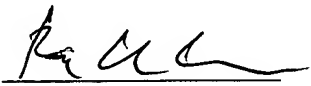
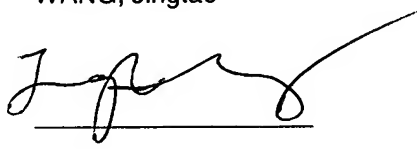
- ## INTERNATIONAL BUSINESS MACHINES CORPORATION

(hereinafter called "Assignee"), a corporation organized and existing under the laws of the States of New York, USA

and located at New Orchard Road, Armonk, NY 10504, USA

and do hereby declare that the Assignee is entitled to applying for and obtaining patent rights on the invention/new utility model/new design in its own name in the Republic of China.

Inventors:

- |     |            |  |                       |                          |
|-----|------------|--|-----------------------|--------------------------|
| (1) | Name:      | KRISTENSSON, Per-Ola   | Country               | Sweden                   |
|     | Signature: |   | Date:                 | <u>6/16/09</u>           |
| (2) | Name:      | WANG, Jingtao  | City/State<br>Country | Albany, California USA   |
|     | Signature: |   | Date:                 | <u>6/14/2004</u>         |
| (3) | Name:      | ZHAI, Shumin   | City/State<br>Country | San Jose, California USA |
|     | Signature: |  | Date:                 | <u>6/16/2009</u>         |

Docket No. ARC920040008TH1

Patents of Invention or Design - Thailand

DEED OF ASSIGNMENT

Date: \_\_\_\_\_

Title of Invention / Design:

**"SYSTEM AND METHOD FOR RECOGNIZING WORD PATTERNS IN A VERY LARGE  
VOCABULARY BASED ON A VIRTUAL KEYBOARD LAYOUT"**

**Assignors:**

KRISTENSSON, Per-Ola

WANG, Jingtao

ZHAI, Shumin

Assignee: International Business Machines Corporation  
New Orchard Road, Armonk, N.Y. 10504, USA

The Assignor(s) declare that I / we are the inventor(s) of the above-mentioned invention / design and for due consideration, hereby assign the right to apply for, and obtain patents therefor in Thailand to the Assignee, and the Assignee hereby accepts such assignment.

In witness whereof, the Assignor(s) and Assignee have signed their names below, effective on the date above.

(1)	Name:	KRISTENSSON, Per-Ola	Country	Sweden
	Signature:		Date:	<u>6/16/04</u>
(2)	Name:	WANG, Jingtao	City/State Country	Albany, California USA
	Signature:		Date:	<u>6/14/2004</u>
(3)	Name:	ZHAI, Shumin	City/State Country	San Jose, California USA
	Signature:		Date:	<u>6/16/2004</u>

ASSIGNEE:

\_\_\_\_\_

Duly Authorized Signatory



RECORDATION FORM COVER SHEET  
PATENTS ONLY

To the Honorable Assistant Commissioner for Patents: Please record the attached original documents or copy thereof.

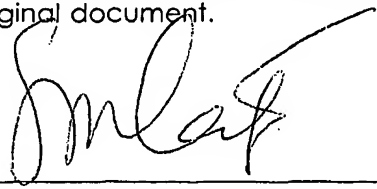
1. Names of conveying parties:      Execution dates of assignment:  
KRISTENSSON, Per-Ola                      (06/16/2004)  
WANG, Jingtao                              (06/14/2004)  
ZHAI, Shumin                                (06/16/2004)
  
2. Name and address of receiving party:  
International Business Machines Corporation  
New Orchard Road  
Armonk, NY 10504
  
3. Nature of conveyance: Assignment
  
4. Application number: 10/788,639                      Docket No.: ARC920040008US1  
If this Assignment is being filed together with a new application, enter the execution date of the application (date Declaration signed by first named inventor):
  
5. Name and address of party to whom correspondence concerning Assignment should be mailed:  
Samuel A. Kassatly  
Samuel A. Kassatly Law Office  
20690 View Oaks Way  
San Jose, CA 95120  
Tel: (408) 323-5111
  
6. Total number of applications involved: 1
  
7. Total fee (37 CFR 3.41) = \$40.00
  
8. Charge fee to Deposit Account No. 09-0441

DO NOT USE THIS SPACE

9. Statement and signature:

To the best of my knowledge and belief, the foregoing information is true and correct and any attached copy is a true copy of the original document.

Samuel A. Kassatly  
Attorney Name

  
Signature of Attorney

06/17/2004  
Date

## ASSIGNMENT

Whereas, I,

- (1) Name: KRISTENSSON, Per-Ola  
City of: Linkoping  
Country of: Sweden
- (2) Name: WANG, Jingtao  
City/State of: Albany, CA  
County of: Alameda
- (3) Name: ZHAI, Shumin  
City/State of: San Jose, CA  
County of: Santa Clara

have invented certain improvements in:

### **"SYSTEM AND METHOD FOR RECOGNIZING WORD PATTERNS IN A VERY LARGE VOCABULARY BASED ON A VIRTUAL KEYBOARD LAYOUT"**

and executed a Declaration and Power of Attorney for a United States patent application therefor on

- (1) Date: 6/16/2004
- (2) Date: 6/14/2004
- (3) Date: 6/16/2004

Whereas, INTERNATIONAL BUSINESS MACHINES CORPORATION, a corporation of New York, having a place of business at Armonk, New York 10504 (hereinafter called IBM), desires to acquire the entire right, title and interest in the said application and invention, and to any United States and foreign patents to be obtained therefor;

Now therefore, for a valuable consideration, receipt whereof is hereby acknowledged, I, the above named, hereby sell, assign, and transfer to IBM, its successors and assigns, the entire right, title and interest in the said application and invention therein disclosed for the United States and foreign countries, and all rights of priority resulting from the filing of said United States application, and I request the Commissioner of Patents to issue any Letters Patent granted upon the inventions set forth in said application to IBM, its successors and assigns; and I hereby agree that IBM may apply for foreign Letters Patent on said invention and I will execute all papers necessary in connection with the United States and foreign applications when called upon to do so by IBM.

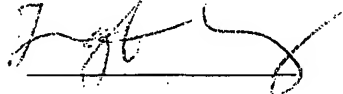
## ASSIGNMENT

Execution by Inventors:

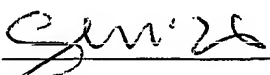
(1) Name: KRISTENSSON, Per-Ola Country: Sweden

Signature:  Date: 6/16/04

(2) Name: WANG, Jingtao City/State: Albany, CA

Signature:  Date: 6/14/2004

(3) Name: ZHAI, Shumin City/State: San Jose, CA

Signature:  Date: 6/16/2004